VOL. 5 NO. 3
MARCH 1983
$2.00

neat notes

THE NEWSLETTER OF NEW ENGLAND APPLE TREE

March 1983 N.E.A.T. Meeting

The March meeting will be held at 7:30 P.M. on the FIFTH Wednesday of the month (EXCEPTION), March 30, 1983 at the Mitre cafeteria. Mitre is on rte 62 in Bedford Ma. Take route 3 north from rte 128 to the first exit (rte 62).

MARCH'S PROGRAM

William Siddall, President of Synoptic Software, Inc., will give a demonstration of ANA-LIST, the first List Processor for Personal Computing. This product was designed to handle the processing of human sized lists and tables. It combines the entry, editing, sorting and reporting features of a data base management system with the calculating features of an electronic spreadsheet. Since the data is memory resident the sorting is very fast and you can look at the data from alternate points of view by rearranging it to suit each point of view. This, together with the calculating capability, carries the 'What if' technique into a new domain. See a detailed product description in this issue. We also hope to follow this up with a hands-on evaluation in the near future.

FUTURE SCHEDULE IS TENTATIVELY AS FOLLOWS:

April 20,1983----------We need some help
setting up programs
May 18,1983----------for future meetings.
If you can help make
June 15,1983----------connections with
the publisher or
July 20,1983----------manufacturer of a
new product or if
August 17,1983---------you would like to
demonstrate one you
September 21,1983------have been using
contact Lou Tarsa
October 19,1983--------or Dave Reed.

Microcon Software Center
In the Woburn Mall

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$18.95

Control Data SS/DD Softsector Disks 2 FREE DISKS

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Microcon Software Center
In the Woburn Mall

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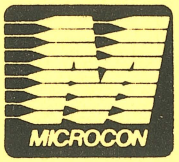

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THE NEWSLETTER OF NEW ENGLAND APPLE TREE

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N.E.A.T.
Steering Committee Meeting
February 14, 1983
By Jeannine Giffee

Present: Dave Reed, Joe Stivaletta, Jeannine Giffee, and Bill Siddall.

Bill Siddall of Synoptic Software, Inc. demonstrated his company's new List Processor package with hopes of presenting it at the March meeting.

Dave Reed received balloting information to distribute to members concerning the election of our Regional Director for the IAC.

Dave Reed received subscriptions to APPLE ORCHARD which entitle members of N.E.A.T. to a discount.

Dave Reed reminded the officers that N.E.A.T. members are able to receive a discount at a number of computer stores if they present their membership card. MICRON offers a 10% discount.

The topic of APPLEFEST was brought up. N.E.A.T. needs to select a chairman and solicit some volunteers to help in this promotion. Dave Reed did it last year but will be out of town this year. We are seeking some serious interest from the membership.

N.E.A.T. Meeting
February 16, 1983
By Jeannine Giffee

Present: Dave Reed, Joe Stivaletta, Larry Starnes, Jeannine Giffee.

Announcements - We had a substantial turnout of new members representing the following towns: Franklin, Framingham, Lynnfield, Westford, Chelmsford, Lexington, Concord, Wakefield, Bedford, Cambridge, Billerica, Burlington, Watertown and Wayland. These people expressed a variety of interests in the APPLE including; computer literacy for the family, some specific applications like word processing or tax estimating, some entertainment usage, and some hackers who want to get more technical. A very well rounded group of interests.

IAC elections are coming up and Dave Reed announced the Steering Committee's recommendation for the support of Bernie Urban from the Washington Apple Pie Users Group. Bernie also happens to be the Chairman of the Board of IAC. No objections were raised.

APPLE Corp. has invited representatives of a number of the larger computer clubs to California at their expense. Jerry Connelly, president, may be attending or designating an appropriate person to attend.

DOMs - This month's DOM is the August Softdisk. Next month the IAC disk will have information about the Washington Apple Pie Bullletin Board Service and next month's DOM will be a spreadsheet called BASICALC. It is like VISICALC, written in Applesoft, and there will be some utilities which can be used with VISICALC. The European IAC has made available to the club a Database Management System which will be a future DOM (Disk Of the Month).

A reminder was made to N.E.A.T. members that a number of dealers offer a discount to members upon presentation of a membership card. Some known dealers are Micron, which offers a 10% discount, Computer City, and Moore Business Forms in the Vinebrook Plaza in Burlington.

APPLEFEST is coming up in May and the officers are turning to the membership for a chairman to head a committee of volunteers who will organize a N.E.A.T. booth and activities for this affair. Dave Reed chaired last year but will be unavailable this year. If you could help and would like more information, please contact a club officer.

IAC is offering a subscription discount to APPLE ORCHARD for members of groups that are IAC members. Get subscription offers from club officers.

Richard Amirault has donated 6 EAMON adventure diskettes to the N.E.A.T. library. Contact Doug McMullin or Mike Gooding for access to these packages.

After the announcements, Roland Gilbault gave a very thorough demonstration of WORD HANDLER II, a true word processing package. For further details see Roland's review in the February issue of N.E.A.T. Notes or write to: Roland E. Guilbault, P.O. Box 427 Atkinson N.H. 03811. The program normally retails for $199.00 but for a short period, the distributor is promoting a group discount. See Roland.

After Roland's demonstration the group broke up into SIGs (Special Interest Groups). Titles of existing SIGs are listed on the inside cover of N.E.A.T. Notes. If you have an interest in a different topic, we invite you to bring it up at the next meeting.

CALENDAR
Compiled by Raines Cohen

Mar 7 7PM
NEAT Steering Committee Meeting
Jerry Connelly's Office
call 497-9050

Mar 12 10:00AM
North Shore Apple Group
Computer City, Danvers
call 546-3104

Mar 14 6:30PM
Apple/Boston
B.U, Sherman Union
call 227-9178

Mar 19 9:30AM
Apple Guild
Massasoit Community College
call 767-1303

March 23 7:30PM
Boston Computer Society
New England Life Hall
call 227-9178

March 24 7:30PM
PASCAL Boston Computer Society
MIT 1-146
call 227-9178

Mar 26 2:30PM
Newton Apple Kids
Raines Cohen's House
call 965-0033

MARCH 30 7:30PM EXCEPTION
New England Apple Tree
Mitre Cafeteria
call 497-9050

April 6 7:00PM
New England Computer Society
Mitre Cafeteria
call 646-3080

Apr 8-10 10AM-6PM
Eighty/Apple/PC Computer Show
N.Y. Statler Hotel
7th Ave. & 33rd. St.
Regular fee $6 Children $2

April 9
NECS SWAP MEET/FLEA MARKET
Waltham VFW Post #2152
210 Felton St.
Waltham, Ma.
call 449-3000

April 9 10:00AM
North Shore Apple Group
Computer City,Danvers
call 546-3104

April 16 9:30AM
Apple Guild
Massasoit Community College
call 767-1303

April 20 7:30PM
New England Apple Tree
Mitre Cafeteria
call 497-9050

April 20 6:30PM
Apple/Boston
B.U,Sherman Union
call 227-9178

April 23 2:30PM
Newton Apple Kids
Raines Cohen's House
call 965-0033

April 27 7:30PM
Boston Computer Society
New England Life Hall
call 227-9178

April 28 7:30PM
PASCAL Boston Computer Society
MIT 1-146
call 227-9178

May 2 7:00PM
NEAT Steering Committee Meeting
Jerry Connelly's Office
call 497-9050

May 4 7:00PM
New England Computer Society
Mitre Cafeteria
call 646-3080

May 13-15 10:30AM-5:30PM
Applefest/Boston
Bayside Exposition Center
call 800-841-7000

May 14 10:00AM
North Shore Apple Group
Computer City,Danvers
call 546-3104

May 18 7:30PM
New England Apple Tree
Mitre Cafeteria
call 497-9050

FEBRUARY DISK OF THE MONTH
by Mike Gooding

This month's DOM is a menu driven variety of program types from August 1982 Softdisk Harvest.

GIL & SULLY
This is text-type graphic illustration of selected Gilbert and Sulivan productions.

SQUIGGLES
This is hi-res random line computer art.

MUSIC.STARTER
This plays the melodies of Bach Prelude #2 and Telemann Fugue.

APPLE STOPWATCH
This turns your apple into a stopwatch with a resolution of minutes and seconds to tenths of a second. Space bar stops/restarts the stopwatch.

ELECTRIC LETTER
Design your own letterheads using the Apple screen. Left,center and right justification allowed. No print options are included,however.

MAKE A MESS
Use paddles or a joystick to make a hi-res mess.

THE.MAGIC.HAT
A lo-res art demo of a rabbit in a hat.

NAME.CHANGER
A utility that allows you to change the title (catalog volume No. display) of your 3.3 Dos diskettes.

SHAPE TABLE ASSEMBLER
This program will merge shape tables created by the 'Draw.Shapes' program in the June issue of 'Soft.Disk' into a multi shape table.

ALL.BASE.CONVERTER
This program will convert a number in any base to the equivalant number in any other base.

LABEL PRINTER V1.1
This program allows the entering,editing and printing of a particular label. It has three label sizes to choose from.

PLOTTER 1.3
With the use of an 80 column printer with interface in slot 1 you can plot horizontal bar graphs of taste survey type data. Could be tailored to other graph needs.

MONEY MARKET
With this program you can print yield and maturity tables, update yield and maturity files, produce yield and maturity graphs, begin short term files and produce long term yield and maturity graphs.

LOW RES EXPANSION
HIGH RES EXPANSION
These programs are on the disk but do not appear on the menu. Use paddle 0 to give dynamic color displays.

HIDDEN.LINE.3D
This is a tutorial program which plots 3-D functions in hi-res and uses a hidden line subroutine as explained in May '78' 'Byte'. The function plotted can be changed as well as other parameters.

BASEBALL
This game is a mixture of Lo and Hi Res action screens that give different viewing angles for baseball game play. The space bar is used to signal the pitch and to swing the bat as you play a game of baseball.

CONNECT 4
A two player lo-res game of strategy . Try to get four connecting squares before your opponent either horizontal,vertical or diagonal.

NAME THE STATES
An educational program that allows the user to locate the state before it is colored in on a hi-res map of the U.S. Color patterns used illustrate how more than 6 HiRes colors are possible on your apple.

MORONIQUIZ
Answer 10 multiple choice trivia questions to get a score.

THREE-D APPLE PRISONER
This is a three dimensional game. Use the distant stare method (see 'Stereo' in the March '82 Softdisk Harvest) to fully appreciate the display. Can you escape ?

APPLE SCREENWRITER
This program develops storylines for science fiction movies.

Data Screen Subroutine

The following shows how a subroutine (30000) can be used to make sure that input data falls between certain minimum and maximum limits. Two other subroutine examples were presented without explanation in last months newsletter. I hope you were able to figure out what they were. One put in commas and the other puts numbers in a dollars and cents format. These were all from the Advanced Basic

continued on page 14

FOR SALE

Easy Writer, The Professional Word Processing System for Apple II or Apple II Plus, available for $100.00. Call Candace at (603) 236-8686.

ANA-LIST PRODUCT DESCRIPTION

ANA-LIST is a list processor for entering, rearranging, editing and reporting lists and tables of data. ANA-LIST is specifically designed for the task of processing human sized lists and tables in a personal computing environment. The program was developed and implemented by a manager for use by other managers and professionals.

The functions of ANA-LIST are:

DEFINE LIST COLUMNS
ENTER DATA
CHANGE DATA
SORT
REPORT

THE USER HAS COMPLETE CONTROL over which columns and rows to work with as well as the order in which they will appear. This applies to all data and reporting operations.

THE SYSTEM IS EASY TO LEARN AND USE. All processing alternatives are presented on the screen for selection. The user can change any item visible on the screen by moving the cursor to the data and entering the change. There are ten special function keys; those appropiate to a given operation are always listed on the screen.

CALCULATIONS ARE PERFORMED AUTOMATICALLY. Each row can contain up to 46 columns, any of which can be calculated based on user defined formula. Therefore, only raw data need be entered.

PREPARING REPORTS IS FAST AND SIMPLE. The system allows a primary sort and up to nine subsorts which can be specified and completed in secords. Custom formatting and printing of a report take two to three minutes. As a result, one can quickly compose reports for each audience or purpose.

ANA-LIST IS A POTENT ANALYTICAL TOOL. Different views of the list can be shown at any analytical step with minimal interruption of the user's thought process since ANA-LIST responds immediately. The analysis is user paced rather than computer paced.

For quantitative analysis, the calculating capability also provides a "what if" function with up to 46 dependent and independent variables. Any "what if" iteration may be saved as a row. At any time the list of saved iterations (alternatives) can be analyzed and reported.

ANA-LIST is written primarily in assembly language with some sections in Applesoft Basic. The current operating system is Apple DOS 3.3 The program and the data are resident in memory so that responsiveness is not interrupted or slowed by continual disk accessing.

ANA-LIST is designed to optimize an individual's access to computer tools in working with human sized lists and tables. This capability is available to the personal computing market for the first time through ANA-LIST'S unique blend of data entry, editing, calculating, sorting and reporting.

PERSONAL COMPUTING ENVIRONMENT.

Personal computing is individuals using the computer as a tool in their daily work. Personal computing programs should allow a user to apply the computer tool in the tasks he currently performs. In addition, personal computing should provide

a user the opportunity to learn new techniques for analysis, decision support and communication. We assume that the total cost of hardware and software for personal computing should be less than $3,000 in order to achieve large volume with individuals inside and outside companies.

Synoptic Software's design objectives for personal computing are as follows:

-The program should:
  -not require the user to have or acquire any computer expertise
  -be task focused rather than computer focused
  -be like riding a bicycle....easy to learn and once learned easy to do again at any time
  -save time
  -leverage the user's mental energies
  -help improve the quality of the user's finished work

There are four kinds of data individuals work with on a day to day basis.

Free Text
Lists and Tables
Formulas and Models
Files

Ana-list →

For the individual, Free Text is words, sentences and paragraphs on one to several sheets of paper. The personal computer program for Free Text is the Word Processor.

An individual works with Formulas and Models on paper, perhaps using an 11x17 spreadsheet, a pencil and a calculator to record numbers and formulas. The computer program for Formulas and Models is the Electronic Spreadsheet.

For individuals, Files are made up of many sheets of paper, organized into many file folders and kept in file drawers. The personal computer program for files is the Data Base Manager or Electronic Filing System.

Lists and Tables are columnar data consisting of words and /or numbers. An individual's Lists and Tables consist of one to three sheets of paper and are frequently kept on top of one's desk for quick reference.

Until ANA-LIST there has not been a personal computer program designed for these Lists and Tables.

People have used the other personal computer programs to work with Lists and Tables, but have found limitations in each. The Word Procesor is designed for working with Free Text, so is limited in its columnar capabilities, does not sort and has little or no arithmetic capability. The Electronic Spreadsheet is designed for working with Formulas and Models so does not sort and is limited and awkward in formatting reports. Additionally, a noticable investment in learning is required which is only repaid if you are going to use its substantial quantitative capabilities. Data Base Managers are designed to work with Files, so have given up quickness and ease of use with human sized sets of data in favor of capability and structure in handling large sets of data.

MARCH DISK OF THE MONTH
by Mike Gooding

This month's DOM is from the IAC and contains electronic spreadsheet utilities and demo spreadsheets. A Visi-'clone' program is included for those without Visicalc.

BASICALC
A 10 column by 69 row Visicalc 'clone' program that was recently written up in SOFTALK magazine. It lets you do the basic spreadsheet things you always wanted but couldn't afford. It is implemented in Applesoft BASIC.

BASICALC.COMPILED
A compiled (faster executing) version of BASICALC. BRUN to execute it. It's speed makes it much better to work with.

BASICALC.DOC
A good set of documentation on how to use BASICALC.

BASICALC SAMPLE DATA
Use BASICALC's load command (/3) to load this sample use of the program. It illustrates column and row totals and graphic representation.

BOOLEAN LOGIC EXAMPLE
Visicalc demonstration of boolean logic (true/false) in a spreadsheet.

CHEQUE BOOK
Visicalc template for a checkbook balancing mechanism.

COMMISSION SALES EXAMPLE
Visicalc demonstration of how to use lookup tables for implementating a sales commission computation scheme.

IF MODEL EXAMPLE
Visicalc demo to illustrate the use of IF in formulas.

INDIVIDUAL EXPNS REPORT FORMAT
Visicalc model template for entire 1983 week, month, quarter, and year travel expenses.

INDIVIDUALS EXPENSE SUMMARY
Visicalc model template taking quarterly results of 8 Individual Expns Report Format model and totals up expenses into a summary.

VISICALC COORD FORMULAS
Prints Visicalc coordinate formulas.

VISICALC D FILE PRINTER
Changes Visicalc D-Files (made with the 'P' command) with numbers in no particular format, to numbers with their decimal places lined up and with a specified number of places (fixed decimal). You must supply a range of Visicalc row/column coordinates to be acted upon.

VISICALC FILE CHECKER
Lists Visicalc Text file formulas to screen or printer.

VISICALC FORMULAS
Lists Visicalc Text file formulas to screen or printer.

VISICALC FORMULAS INSTR
Instructions for Visicalc Formulas program. Has a problem with statement 3, so just list to use it.

VISILIST
Lists Visicalc Text files to screen or printer.

ALPHACAT
This DOS 3.3 catalog alphabetization program will re-organize the directory on a disk.

SCREENWRITER][
by Sierra Online Inc.

and

THE SENSIBLE SPELLER
by Sensible Software

Reviewed by John J. Shaw

When I was at MIT finishing my dissertation, my officemate and I would wander through the stacks in the Engineering Library and admire the theses put out by the students in the Artificial Intelligence Lab. With their computer typesetting hardware and software, the folks in AI were among the lucky few who could rival the large book publishers in putting out professional documents. Naturally, my officemate and I envied the AI folks and we vowed we would find some way to catch up with them.

Playing catch-up has been made quite easy in the last few years, what with the advent of personal computers and word processing software. For the last eight months I've been using two of the most popular word processing packages out for the Apple][: SCREENWRITER][and THE SENSIBLE SPELLER. Both packages have been out for several years [under one name or another] and their respective publishers have introduced many improvements since they were first introduced.

SCREENWRITER][contains two programs: a 'screen-oriented' editor for creating and saving your text, and a 'runoff' program for preparing a printed copy. Ever the pioneer, Online's editor was the first to offer true upper/lower case and 70 column screens without additional hardware. [In fact, a simple modification to your Apple-explained in the documentation-will let you use the SHIFT key for upper/lower case] In addition, the editor offers most of the features found on professional word processing editors including word wrap--around, insert, four delete options [by character, word, line, or block], six cursor movement options [by character, word, line, page, or to the beginning/end of the document] and global search and/or replace. The editor also offers some options I had never seen before; my favorite is the 'macro' option which lets me define a string of characters in terms of a single key on my keyboard. During editing all I have to do is press the key and the editor enters the corresponding string into the document; the words SCREENWRITER][and SENSIBLE SPELLER were entered this way.

Another option is the editor's online [no pun intended] 'HELP' command. With the SCREENWRITER][program disk in drive #1, you can invoke the help command and receive a complete description of the commands available to you from the editor. I'm impressed!

Perhaps the editor's most powerful feature is its ability to edit documents which are larger than the amount of available memory. The editor can do this by using your document disk as a 'virtual memory' to hold the entire contents of your file. Naturally, this means the editor must frequently access your disk when you are editing large files, but the editor does this automatically and requires no effort on your part. [The SCREENWRITER][disk also contains a 16K RAM card version of

the Editor which will use the additional memory on your RAM card to hold your text and thereby reduce disk use.]

SCREENWRITER's runoff program is almost as remarkable as its editor. For example, this program will recognize certain 'printer control commands' embedded within your document to set such features as **boldface**, underlining, hyphenation, page numbering, proportional spacing [if your printer supports it] and header titles at the top of your pages. Runoff will also let you link up to nine different files in the printing queue; thereby allowing you to assemble very large documents. For example, I used SCREENWRITER][to write a document which covered well over 160 pages!

All in all, I love my SCREENWRITER][. The documentation is adequate [the organization could be better] and contains a tutorial, reference section, index and reference card [very nice]. You should certainly consider this package if you are in the market for word processing software for your Apple.

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The SENSIBLE SPELLER, as the name implies, is a spelling checker for the Apple][. There are four versions of this program: DOS 3.3, CP/M, Pascal, and Super-Text [by Muse Software]. The DOS 3.3 version reads standard Text or Binary files and is compatible with all editors which produce files in one format or the other. [The vast majority of word processing packages for the Apple use Text/Binary files.]

The SENSIBLE SPELLER comes on three disks: the program disk, a 'main' dictionary containing the 45,000 most often used words in the Random House Dictionary, and a 'supplementary' dictionary which contains the roughly 40,000 least often used words from this dictionary. The package also comes with a hardbound copy of the Random House Dictionary! The combined 85,000 word capacity makes the SENSIBLE SPELLER's dictionary one of the largest available in any word processor. In fact, each dictionary disk can be extended to 55,000 words, meaning you can give your dictionary a total capacity of 110,000 words [if you have the time for that sort of thing].

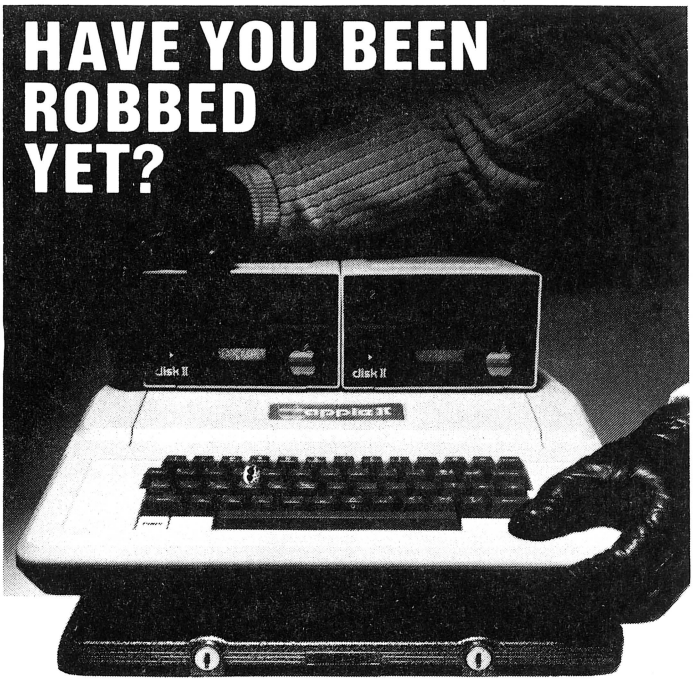
During operation, the SENSIBLE SPELLER first reads the file you specified, collecting words and keeping track of the total words present and the total number of unique words in that file. The program then checks the collected words against a dictionary disk [normally your 'main' dictionary], keeps track of the number of unresolved words, and then asks you if you want to check against another dictionary disk. Even though the SENSIBLE SPELLER comes with two dictionary disks, the program will actually let you check your document against as many dictionaries as you like-special purpose dictionaries you have created, for instance. After you have exhausted all your dictionary disks the program will then re-read the file from your document disk and display each remaining unresolved word in its proper context. The program offers your four options when it displays an unknown word: ignore it [and all subsequent occurrences of it in the document], mark it [and all

subsequent occurrences of it in the document], add the word to the dictionary, or see a list of the dictionary words having similar spelling. When the program marks a word, it replaces the last character with a character of your own choosing [the default is the asterisk], thereby making the offending word easy to find when you re-edit your document with your word processor's editor.

The SENSIBLE SPELLER is a fine product. The only thing I regret is this program cannot be called directly from my SCREENWRITER II program; I must leave the SCREENWRITER's editor to use the speller. I should note that Sierra Online markets its own spelling checker [The Dictionary] which can be run directly from a more advanced [and more expensive] version of SCREENWRITER II. The Dictionary, however, comes with only a 25,000 word dictionary and cannot be extended beyond an additional 1500 words. All in all the SENSIBLE SPELLER will remain my spelling checker of choice for some time to come.

BONUS DOM

The Apple Bulletin Board System donated by Washington Apple Pi and distributed by the IAC is now in the club library and will be made available as a Bonus Disk at the March meeting. This is not for the novice; you must have a D.C.Hayes Micromodem and a good knowledge of communications and assembly language programming to make use of this one. After the meeting the disk will be available from the library. This program consists of two sides one for the program and one for the documentation so bring two disks or a good double sided disk to the meeting if you want a copy.



It's just a matter of time. Last year over a half billion dollars in office equipment was reported stolen. As you read this a property crime is taking place in your own neighborhood. It's time for preventative action. Anchor Pads are maximum security locks that eliminate theft of office machines! They anchor equipment directly to a desk or counter. No holes, no sawing, and no marring furniture. Call us for the well-being of your business and your own peace of mind.

ANCHOR PAD.
Don't wait until it's too late.
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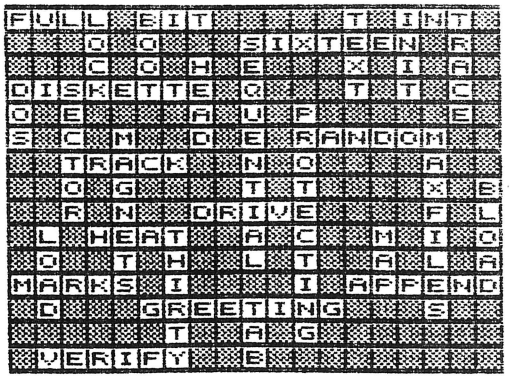
FEBRUARY'S SOLUTION
DOS Terms


FULL EDIT T INT
O O SIXTEEN R
C O H E X I A
DISKETTE Q T T C
O E A U P E
S C M D E RANDOM
TRACK N O A
O G T T X B
R N DRIVE F L
L HEAT A C M I O
O T H L T A L A
MARKS I I APPEND
D GREETING S
T A G
VERIFY B

continued from page 7

Group of Apple Pi as published in their newsletter The Seed. How about one of you giving us a subroutine that does all three?

```
10  REM  DATA SCREENER
20  REM
30  REM  4 INPUTS:
40  REM  P$= PROMPT
50  REM  D= DEFAULT VALUE
60  REM  MN=MIN LIMIT
70  REM  MX=MAX LIMIT
80  REM
90  REM  1 OUTPUT:
100  REM  A= NEW VALUE
110  REM
120  REM  FOR EXAMPLE,
130  REM  INPUT HORIZ POSN
140  REM  ********************
210 P$ = "HORIZ"
220 D = 20
230 MN = 1:MX = 39
240  GOSUB 30000
245 H = A
246  REM ********************
250 P$ = "VERT"
260 D = 10
270 MN = 1:MX = 23
280  GOSUB 30000
290  VTAB A: HTAB H: PRINT H;",";
     A
300  END
310  REM ********************
30000  PRINT P$;"? ";MN;"-";MX;",
       DEFAULT:";D;" ";: INPUT "";
     A$:A =  VAL (A$): IF A$ = ""
       THEN A = D
30010  IF A >  = MN AND A <  = MX
       THEN  RETURN
30020  PRINT  CHR$ (7): GOTO 3000
     0

]
```

TREASURER'S REPORT

December 1982

Beginning Balance	**$ 1299.09**
Revenues:	
Membership Dues	$ 681.00
Newsletter Ad Sales	320.00
Library Program Sales	30.00
	$ 1031.00
Expenses:	
Membership Cards	$ 50.94
Ending Balance	**$ 2279.15**

January 1983

Beginning Balance	**$ 2279.15**
Revenues:	
Membership Dues	$ 624.00
Newsletter Ad Sales	22.50
Magazine Sales	1.00
Library Program Sales	80.00
Newsletter Sales	9.00
	$ 736.50
Expenses:	
Newsletter Printing	$ 318.94
Postage	60.00
	$ 378.94
Ending Balance	**$ 2636.71**

Respectfully Submitted,

Larry G. Stone

MEMBERSHIP APPLICATION

1. Name _____ Date _____
2. Street _____
3. City _____ State _____ Zip _____
4. Phones (a) Home _____ (b) Work _____
5. Software background _____
6. Hardware background _____
7. What will you use your APPLE for? _____
8. In what area can the club assist you? _____
9. Are you available to assist other members? _____
10. Total amount enclosed _____

1983 Membership Dues are

UNITED STATES..... $ 15.00

CANADA..... $ 21.00

(OFFICE USE ONLY)

PAID BY: cash check RECEIPT #_____ STATUS: New Renewal MEM #_____

-DISKETTE ORDER FORM-

Diskettes are sold to members and non-members and can be picked up at the meeting or mailed anywhere in the continental U.S. Circle desired selection.

Games	I	II	III	IV	V	VI	VII					
Education	I	II	Math	I	Scientific	I	Applesoft Tutor					
Pascal	I	II	III	IV	V	VI	Diversi-DOS		ABBS		Hayes Util.	
D.O.M.1981	J	F	M	A	M	J	J	A	S	O	N	D
D.O.M.1982	J	F	M	A	M	J	J	A	S	O	N	D
D.O.M.1983	J	F	M	A	M	J	J	A	S	O	N	D

All D.O.M.'s up to the current month $5.00 picked up, $6.50 mailed. The current D.O.M. is copied free on your initialized diskette at the meeting.

All catagorized diskettes include a description of the programs and are available for $5.00 if picked up and $6.50 if they must be mailed.

Non-members prices are $10.00 picked up and $11.50 mailed.

Check here if you want diskettes mailed ( ).

NAME _____

ADDRESS _____

CITY/STATE _____

ZIP _____

MEMBERSHIP CARD # _____

Make check payable to N.E.A.T.

Send to:

N.E.A.T.-Attn: Librarian
P.O.Box 2652
Woburn, MA 01801

Total enclosed $ _____.____

neat
New England Apple Tree
Box 2652, Woburn, MA 01801

BULK RATE
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PERMIT NO. 57931

D

EXPIRES 02/84

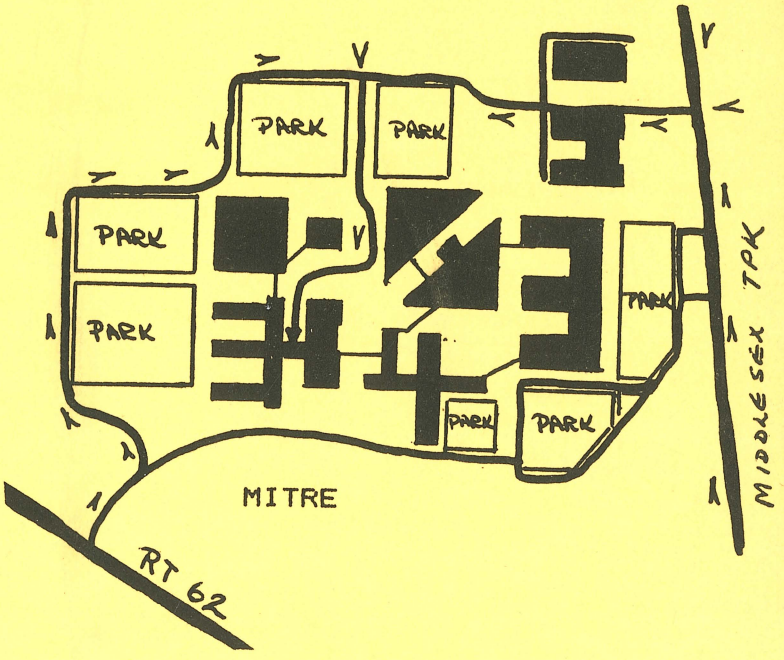
ADVERTISING RATES

Single Issue
- Full Page.....$40.00
- Half Page.....$20.00
- Quarter Page.....$10.00

3 Month series or Longer
- Full Page.....$30.00
- Half Page.....$15.00
- Quarter Page.....$7.50

Inserts letter size accepted at the same rates, subject to weight limitations.

Personal advertisements of members, e.g., swap notices, personal articles for sale, etc. accepted without charge.

Please send ad copy in black and white (half-tones are permited but no bleeds) by the last Wednesday of the month preceeding the month of issue to:

N.E.A.T. Notes
Attention: Editor
P.O.Box 2652
Woburn, MA. 01801